# High power production from elephant’s urine


- July 2014
- International Journal of Pharmacy and Technology 6(2):6714-6718



**Authors:**

**Dr Gireeshan M G**

- bharathuniversity

**R. Vasuki**

**T. Krishnakumar**

- Bharath University



Request full-text

To read the full-text of this research, you can request a copy directly from the authors.

Citations (7)



Abstract

The main objective of the project is to provide the rural area people with proper electricity facility, and also to bring the awareness about the proper utilization of the naturally available urine in the rural area. The Microbial fuel cell technology represents a alternative form of energy where in elephant urine and industrial effluents are used for electricity generation. In this technology we have used elephant urine successfully generated a power 12 V in 3L, which is sufficient to light a LED lamp and small inverter. In this process the cow urine was primarily treated. The main objective being the generation of required bioelectricity sufficient to run an home inverter. The anode and cathode electrodes were made of 10 cm2 carbon rode, folded down to fit in the small 20mL chambers for the testing of electricity generation from elephant urine.


© 2014, International Journal of Pharmacy and Technology. All rights reserved.



https://www.researchgate.net/publication/319664845_High_power_production_from_elephant's_urine

# ELEVATED YIELD OF ELECTRONS GENERATED FROM ELEPHANT URINE

The need for new and alternate sources of energy is increasing day by day. In the upcoming days the alternative sources of energy will be applied everywhere. The Microbial fuel cell technology represents an alternative form of energy where in elephant urine and industrial effluents are used for electricity generation. **In this technology we have used elephant urine successfully generated a power of 0.7 -2.5 V in 200ml, which is sufficient to light a LED and small buzzer.** In this process the cow urine was primarily treated. It is a very cost effective and an alternative source of energy which will be adopted for the future. We are also successful in isolating the electrogenic bacteria which include bacillus species and pseudomonas species. The main objective being the generation of alternating form of electricity from elephants urine.

**Real Time Impact Factor:** 1

**Author Name:** M G Gireeshan, R Vasuki

**URL:** View PDF

**Keywords:** PIC, Anode, Cathode, LED

**ISSN:**

**EISSN:** 09769595

https://www.citefactor.org/article/index/8621/elevated-yield-of-electrons-generated-from-elephant-urine#.Y5HeA3bMKUl